

4. All motions require a simple majority of eligible agencies present in order to carry the motion.
5. Regular meeting dates to be scheduled in advance about once a month or so.
6. Special meetings to be called by the Chair with seven days notice.
7. Eligible members may submit agenda items to the Chair up to two weeks prior to the next scheduled meeting.

H. Sub-Committee (Appointed by the Chair)

1. Credentials - who represents a particular agency for voting purposes
2. Rules - including officers duties and responsibilities
3. Arrangements - meeting facilities and notices
4. FCC/APCO liaison - maintains contact with the FCC and APCO
5. Regional interface - coordinates with neighboring regions
6. State liaison - maintains contact with state agencies

I. Task Groups (Facilitators Appointed by the Chair)

1. Scope and authority -
2. Spectrum utilization -
 - a) Region defined
 - b) Usage guidelines
 - c) Reassignment of frequencies
 - d) Supplement to the application form
 - 1) Form FDR-3
3. Communication requirements -
 - a) Common channel implementation
 - b) Areas of operation
 - c) Operation on the common channels
 - d) Sub-regions
 - e) Operating procedures
 - f) Primary network control center
 - g) Network operating method
 - h) Encryption standards
 - i) Use of long range communications
 - j) Use of cellular telephones
4. Implementation and procedures -
 - a) Notification
 - b) Approval of Regional Plan
 - c) Frequency allocation process
 - d) Appeal process
5. Epilogue -
 - a) Future planning requirements

J. Review Each Plan Section by Appropriate Facilitator

K. Schedule Next Meeting

L. Adjourn

JPM/kk:ws1

NPSPAC MINUTES

Region 36 Meeting August 25, 1988 Pittsburgh, PA Fire Academy

1300 hours Sue Cavanaugh convened meeting of Region 36, introducing Pete Maehling (appointed convenor of Western PA.)

John Holler appointed as Parliamentarian also in charge of credentials committee. Mr. Maehling declined convenor/chairman position. John Holler nominated and elected Chairman of Region 36, Sue Cavanaugh temporary secretary.

Mr. Maehling proceded

PURPOSE OF REGIONAL PLANNING AND EXPLANATION OF NPSPAC

NPSPAC

F.C.C. RULINGS

PETITIONS WITH CHANGES IN BOUNDARIES OF REGIONS//APPROVED CHANGES
MAY 1988

HISTORY AND GEOGRAPHY OF REGIONS

REGIONS 20, 28, 30, 33, 40, 55

DISCUSSION ON DKT. 87-112

DISCUSSION ON APCO's RESOLUTION 12 ADOPTED IN AUGUST/1988 IN BEHALF
OF EMERGENCY MEDICAL

3 Regional plans turned in so far: Region 40, Florida region,
greater New York

Talk of Region 36 merging with West Virginia.

Vendors//directly involed with 800 MHz Systems
Motorola, B.E., Phillips, Johnson

ORPS

RULES AND REGULATIONS CHANGED

Eligible members may submit agena items to the chair up to 2 weeks
prior to the next scheduled meeting.

REVISED

Eligible members may submit agena items to the chair up to 2 days
prior to the next scheduled meeting.

AT THIS TIME JOHN HOLLER WILL BE HANDLING:

Chairman

Regional interface-coordinates with neighboring regions

State Liaison (Western Pa) maintains contact with state agencies

TASK GROUP DRAFT//COMMENTS

Kevin McGeary //Motorola representative discussed 800 MHz Systems//users
City of Pittsburgh as one//also representative from Pittsburgh spoke

Counties proposal coverage

Maehling suggested Region 36 sit back and wait for more plans to be finalized//find a middle common ground//watch F.C.C. for rulings accepted/rejected.

Pursue other activities, one being an information survey (needs of Communications. John Holler, Chairman with procede with this project.

Discussed A.P.C.O. decision in purchasing C.E.T. Data Base, and also in purchasing land and building to house data base for frequency coordination.

New

FDR 3 Forms//Effective June 1, 1988

Licensing

Status on how JV Federal Licensing can and will be handed. (Hearing in Washington D.C.)

Turnpike Commission Plan //3 channels//problems

232 frequencies allocated
single site 10 channel trunking

TALK ON NEXT MEETING

ADJOURNED APPROXIMATELY 1500 Hours

RADIO SPECTRUM COMMITTEE CREDENTIALS SUB-COMMITTEE

The following is offered for your consideration and comment to answer to our charge of "To determine representatives of particular agencies for voting purposes."

MEMBERSHIP

The following entities shall be given membership on the committee:

- * All entities eligible to be licensed under Part 90 as modified by the Report and Order of Docket 87-112.
- * Federal public safety and emergency preparedness agencies

DISCUSSION

As discussed in paragraphs 12 and 13 of the R & O, we must consider all eligibles for membership. This point is further emphasized in paragraph 46 and 47.

The inclusion of the federal agencies is done in light of the statement made in paragraph 74. "We strongly encourage federal public safety and emergency preparedness agencies to participate in the regional planning process."

If we fail to follow these guidelines or further restrict membership, it could cause our entire planning process to be questioned.

The term "entity" or "agency" must be accepted as spelled out in 90.617 and not restricted to the agency or office of the license signer. This means that just because the top elected official of a political subdivision signs all licensee applications that an individual agency or entity is not barred from membership.

VOTING

- * Each eligible entity will be allowed one vote, on any matter brought to a vote, regardless of the number of persons present.
- * Any one person will only be allowed to vote once on any matter before the committee.

- * Each eligible entity must decide among its membership which person at the meeting will cast the vote.
- * A person must be present in order to vote.
- * Agency representative must be an employee of that agency.

DISCUSSION

- * One agency, one vote

This policy is to avoid any one agency from stacking the meeting and causing a vote to favor their particular needs.

This policy does give just as much voice to the little agency as to the large one or to an agency that due to travel cost can send only one representative.

- * One person, one vote

This policy is again looking at the stacking theory of one person going out and obtaining sanction from several eligibles to speak for them and thus swaying a vote.

- * Present in order to vote

On many issues that come before the membership for a vote, there may be discussion before the vote is called and a person must have the benefit of that discussion to vote.

- * Agency representative

Each and every agency has its own peculiar internal structure and thus the choice of who shall speak for that group is best left to the individual agency.

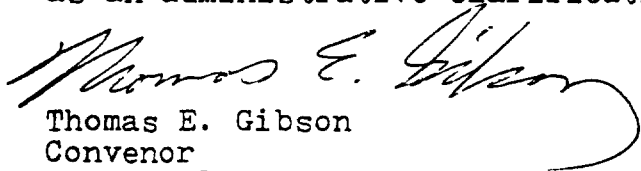
BEFORE THE
FEDERAL COMMUNICATIONS COMMISSION
WASHINGTON, D. C. 20554

In the matter of:

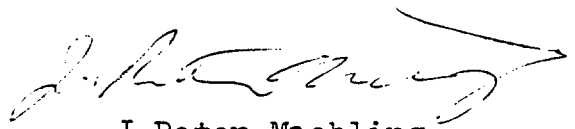
Changes to the Regional)
Boundaries for the State)
of Pennsylvania as)
Identified Report and)
Order General Docket)
No. 87-112)

TO: The Commission

1. In the Report and Order, General Docket No. 87-112, the Commission partitioned the State of Pennsylvania into two metropolitan regions. Due to geographic considerations, it is requested that certain counties be removed from Region number 36 as identified in the Docket into Region number 28 as identified in the Docket.
2. Specifically, the Counties of Berks, Bradford, Carbon, Columbia, Dauphin, Delaware, Lackawanna, Lancaster, Lebanon, Lehigh, Luzerne, Lycoming, Monroe, Montour, Northampton, Northumberland, Pike, Schuylkill, Sullivan, Susquehanna, Tioga, Wayne, Wyoming and York would be transferred into Region number 28.
3. The proposed alteration of the planning process is more in line with the geographic and demographic needs of the Commonwealth. We view this change as administrative in nature, as it does not affect the number or general composition of the regions. It does, however, better align the regions with the critical public safety needs of the Commonwealth of Pennsylvania. Such an administrative change would enhance the interoperability planning and spectral assignment efficiency.
4. As appointed convenors of the aforementioned regions, we request that the Commission effect such change to the regional boundaries as an administrative clarification.


Thomas E. Gibson
Convenor
Region 28

date 2/3/88


J. Peter Maehling
Convenor
Region 36

date 2/9/88

FEDERAL COMMUNICATIONS COMMISSION
Washington, D.C. 20554

DEC 29 1988

7330-06

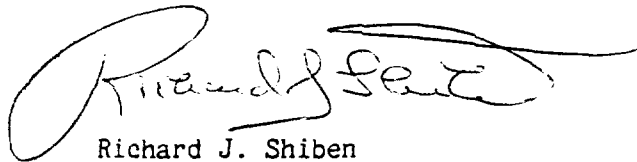
Mr. Peter Maehling
Engineered Communications, Inc.
1610 Potomac Avenue
Pittsburg, Pennsylvania 15216

Dear Mr. Maehling:

The Federal Communications Commission, in conjunction with the State Department, is in the process of negotiating an agreement with Canada concerning use of the 821-824 and 866-869 MHz bands. Depending upon the outcome of those negotiations, your region may or may not have full use of the 240 public safety channels within 140 kilometers (87 miles) of the U.S./Canadian border. The purpose of this letter is to make you aware of this possibility as you engage in preliminary planning for your region.

As soon as an agreement has been reached between Canada and the United States, you will be notified. If you have any questions in the meantime, contact Marty Liebman at (202) 632-6497.

Sincerely,



Richard J. Shibien
Chief, Land Mobile
and Microwave Division

Copy to: Robert E. Tall, Executive Director
Associated Public Safety
Communications Officers, Inc.
930 Third Avenue
P.O. Box 669
New Smyrna Beach, Florida 32070

Region 36 - Western Pennsylvania
Public Safety Planning Committee Meeting
October 26, 1989
11:00 AM

Call to Order - The Region 36, Planning Committee meeting under FCC General Docket 87-112 was called to order at 11:05 AM at the Multi-Service Center, 650 Leonard Street, Clearfield, Pennsylvania. The Chairman thanked Sharon B. Porter, Director, Public-Safety, for the excellent facilities provided.

Reading of Minutes of the previous meeting were read and acknowledged.

Report of Eligibility:

The following applications for committee, membership observation or participation were received and approved by unanimous voice vote.

Clearfield County	Sharon B. Porter
Somerset County	Richard B. Lohr E. Alan Baumgardner James A. Karashowsky
Armstrong County	Robert T. Bower Wesley Klingonsmith Tom Krizmanich John Thomas Harold Graham J. Paul Galbratih
Altoona Police Department	Carlton E. Wehzel
Beaver County	Russell T. Chiode Wayne W. Harley Wesley W. Hill
Adams County	Richard L. Ketterman
Butler County	W. Brad Magill Reldon Cooper
Borough of State College	Jack S. Orndorf Carmine U. Prestia, Jr. Elwood G. Williams, Jr.
Westmoreland County	John R. Fisher Sue Cavanaugh - Secretary

Page Two

Commonwealth of Penna.

John S. Hollar, Jr. - Chairman
Pennsylvania State Police - Region 28 Liaison

Jack G. Beam - Commonwealth Liaison
Bureau of AT Management

Nicholas A. Mineo
Bureau of Automated Technology Management

John F. Booker
Bureau of Automated Technology Management

City of Pittsburgh

Raymond DeMichiel
Lt. Robert Bryen

Mt. Lebanon Fire

J. Peter Maehling

The following vendor/suppliers have been approved for committee assignment, assistance and observation but will not be permitted to vote on committee policy issues:

General Electric

Frank J. Pastor - District Sales Manager

E.F. Johnson

Joseph J. Provenzano - Account Executive

Motorola C & E, Inc.

Kevin McGearry - System Specialist
Gary Savers - Area Manager
Gary Miller - District Sales Manager
Darwin Kell - Account Executive
Bill Moughamer - Account Executive

The following consulting firms have been approved for observation:

Steiger, Hurray & Assoc.

R. J. Steiger

RAM Comm. Consultants

Russell V. Robinson

It was directed that these representatives be placed on the mailing list and be advised of all meetings, actions and correspondence pertaining to the activities of the committee.

Old Business: After a brief review of the developments of Region 28, Mr. Hollar outlined the planning strategy for the Region 36 Plan Submission.

Region 28 Chairman, Thomas Gibson was formally thanked for forwarding the disk containing the text of the Plan as submitted which will be used as the basis for the Region 36 Plan.

Page Three

Mr. Jack Beam, Commonwealth of Pennsylvania presented the completed work sheets required to permit APCO to develop the Frequency Matrix for the Region. After reviewing the definitions, it was agreed that in spite of the frequency negotiations with Canada, two formal request for a channel study would be made in order to reserve channeling for those counties whose borders are adjacent to other regions. Mr. Beam moved to submit the request, Ms. Porter seconded and the motion carried.

Mr. Beam reported on the Office of Administration test of a trunked 800 MHz system in Central Pennsylvania to be conducted by Midland Corporation. Additional details of test objections and results will be reported at a later date.

Mr. Frank J. Pastor, of General Electric, suggested a seminar for the Region on 800 MHz applications, in order to provide much needed orientation as to the importance of 800 MHz in future communications planning. A discussion followed which proposed perhaps holding such a seminar at Penn State University. A day long seminar could provide information on systems applications and operations. It was also pointed out that if the Commonwealth of Pennsylvania decided to construct an infrastructure, more interest would immediately be placed in the work of the committee. The Chairman asked the representative from the Governor's Office to follow up on the idea and make a proposal at the next meeting.

The matter of the next meeting was discussed. It was determined that the Region's geographic center was not as convenient to reach as perhaps the Pittsburgh area. The Chairman indicated that it would be the policy to meet at various locations so that as many county and municipal officials could attend.

The next meeting was proposed for December 6, 1989, at the Southwest Training Center near Pittsburgh.

Meeting was adjourned at 12:15 PM.

Respectfully Submitted,

A handwritten signature in dark ink, appearing to read 'Sue Cavanaugh', with a long horizontal flourish extending to the right.

Hollar, for Secretary
Sue Cavanaugh

Region 36 - Western Pennsylvania
Public Safety Planning Committee Meeting
ANNOUNCEMENT
Meeting Date December 6, 1989
1:30 PM

The December meeting of the Region 36 - Western Pennsylvania, Public Safety Planning Committee will be held at 13:30 on Wednesday December 6, 1989 at the Pennsylvania State Police Southwest Training Center, near Greensburg, Pennsylvania, Westmoreland County.

From the Pennsylvania Turnpike Exit 8, New Stanton Interchange, take Route 119 North to Route 30 East. (Turn left on Route 30 at the Hoss's Restaurant). Proceed about four miles East on Route 30, to Saint Joseph's Hall on the left. It will be necessary to double back at the top of the hill as the entrance to the PSP Training Center and the grounds of Saint Joseph Hall are on the West side of a six lane portion of route 30 with no left turn access.

The PSP South West Training Center Telephone number is 412-832-5250. If you have any questions please call John S. Hollar Jr. Chairman, at 717 787-0896.

area of coverage criteria and channel loading criteria as covered in this Plan will be applied.

As lower band frequencies are vacated, they will be reassigned to conform to the lists of Statewide channels as shown in Table V and Table VI in accordance with State of Florida communications plans. In each table, the base station transmit frequency is shown first, followed by the mobile transmit frequency.

5.6 Implementation Schedules

The majority of eligible public safety organizations are either of State and Local government, or else are subject to governmental regulation. The nature of governmental planning and budgeting processes, combined with difficult revenue constraints, prohibits most eligibles from implementing newer technology systems in the normal time required by FCC Rules (8 months for construction of conventional stations, 12 months for trunked stations)²⁶. In most cases, public safety systems will require multi-year phased-implementation schedules requiring

three to five times as long to construct as private or commercial systems. Regional, wide-area, and statewide systems will require even longer periods to construct.

In view of these known situations, this Region Plan establishes an extended implementation schedule ("slow growth") in accordance with FCC Rules²⁷ which is available to all eligible applicants, if requested by stating "SLOW GROWTH" on the license application.

Table V - Statewide Emergency/Mutual-Aid Frequencies

FREQUENCY	CTCSS	SVC	PRIMARY USE
39.10/39.10	none	PL	Emergency Mgmt.
39.18/39.18	none	PL	Emergency Mgmt.
45.26/45.26	none	PL	Law Enf. Emergency
154.255/154.255	none	PF	Fire Mutual Aid (red)
154.280/154.280	none	PF	Fire Mutual Aid (white)
154.295/154.295	none	PF	Fire Mutual Aid (blue)
154.350/154.350	none	PP	Law Enf. Emergency
153.340/153.340	none	PS	Medical Resource Coord.
155.370/155.370	none	PP	Law Enf. Intercity
460.275/460.275	none	PP	Law Enf. Emergency
463.175/463.175	167.9	PS	EMS Medical Resource & Scene Coordination
463.175/463.175	167.9	PS	EMS Medical Coordination
853.3875/808.3875	210.7	GP	Public Safety/Special Emergency Mutual Aid

Table VI - Statewide VHF Highband Law Enforcement Frequency Pairs

154.650/155.190	154.830/155.585	155.730/156.030
154.710/155.250	154.845/155.580	155.780/156.080
154.725/155.310	154.860/155.595	155.850/156.150
154.740/155.415	154.875/155.610	155.910/156.210
154.755/155.430	154.890/155.625	156.730/159.030
154.770/155.490	155.010/155.655	156.790/159.090
154.785/155.520	155.070/155.670	156.850/159.150
154.800/155.535	155.130/155.685	156.910/159.210
154.815/155.560	155.640/155.970	155.700/158.970

²⁶ See FCC Rules and Regulations, §§ 90.135 (a) and 90.631 (e).

²⁷ See FCC Rules and Regulations, §§ 90.629, 90.631, and 90.633.

A "slow growth" schedule will allow up to three years for completion of station construction. Regardless of station construction time however, the FCC five-year channel loading requirement (of mobiles, portables and RF control stations)²⁸ is maintained by this Region Plan.

Applicants who clearly request "*SLOW GROWTH*" on their license application are *not required* to submit the specific items of "slow growth" justification otherwise required by FCC Rules²⁹.

Applicants who propose a station construction schedule which is longer than the three-year "slow growth" schedule, or a channel loading schedule (for mobiles, portables, and RF control stations) beyond five years, are required to submit a Request For Waiver for such additional extensions of time in accordance with FCC Rules³⁰.

END OF SECTION 5

²⁸ See FCC Rules, §90.631 for loading requirements of trunked systems; see FCC Rules §90.633 for loading requirements of conventional systems.

²⁹ See FCC Rules, §90.629 (a).

³⁰ See FCC Rules, §90.151, "Requests for waiver".



PUBLIC NOTICE

FEDERAL COMMUNICATIONS COMMISSION
1919 M STREET N.W.
WASHINGTON, D.C. 20554

2914

News media information 202/632-5050. Recorded listing of releases and texts 202/632-0002.

April 27, 1990

PUBLIC SAFETY REGION 36 APPLICATIONS WINDOW ANNOUNCED

The Region 36 Regional Planning Committee, which is responsible for planning spectrum usage in the Western Pennsylvania area west of the Susquehanna River, in accordance with the Federal Communications Commission's Report and Order in General Docket 87-112, announces a two-month window for receiving applications for spectrum in the 821-824/866-869 MHz bands.

The window period will be from May 1, 1990, through June 30, 1990. No applications will be accepted before May 1, 1990, or after June 30, 1990. Interested parties should contact the APCO Frequency Coordinator to receive the necessary application forms and additional information.

The APCO Frequency Coordinator for Pennsylvania is:

Joseph E. Monahan
Montgomery County Communications Division
50 Eagleville Road
Eagleville, PA 19403

Additional information concerning Region 36 may be obtained from:

John S. Hollar
Chairman, Region 36 Planning Committee
Pennsylvania State Police Communications Division
1800 Elmerton Avenue
Harrisburg, PA 17110
(717) 787-0896

The Region 28 (including the Commonwealth of Pennsylvania east of the Susquehanna River) window will also be opened during this period to facilitate any applications for statewide facilities.

Questions regarding this public notice may be directed to Maureen Cesaitis, Private Radio Bureau, (202) 632-6497.

Before the
Federal Communications Commission
Washington, D.C. 20554

In the Matter of

Amendment of Subpart S of
Part 90 of the Rules to
Permit Licensing of Channels
in the 821-824/866-869 MHz
and 896-901/935-940 MHz Bands
in the U.S./Canada Border Area

ORDER

Adopted: September 28, 1990; Released: October 5, 1990

By the Acting Chief, Private Radio Bureau:

1. On July 24, 1986, the Commission allocated six megahertz of spectrum in the 821-824 MHz and 866-869 MHz bands for the exclusive use of the Public Safety and Special Emergency Radio Services and ten megahertz of spectrum in the 896-901 and 935-940 MHz bands for use in the Private Land Mobile Radio Services.¹ Service rules for the six megahertz of public safety spectrum were delineated in a subsequent Report and Order.² This Report and Order, however, did not provide for the use of this spectrum within 140 km (87 miles) of the Canadian border, pending completion of an agreement between the United States and Canada on the shared use of this spectrum. A Public Notice issued on November 4, 1986, established filing procedures for the ten megahertz of private land mobile spectrum.³ In that Public Notice, we restricted the filing of applications for channels in the Business and Industrial/Land Transportation pools⁴ to systems to be located at least 100 miles (160 km) from the Canadian border. Although we accepted applications for channels in the SMR pool in the Canadian border area, we stated that no license grants would be made for applications in border areas pending further discussion with Canada.

2. On September 17, 1990, two Arrangements between the Department of Communications of Canada (DOC) and the Federal Communications Commission of the United States of America concerning use of these bands along the U.S./Canadian border were signed. The Arrangements specify which channels will be available for licensing by each administration within the border area. This Order modifies Subpart S of Part 90, 47 C.F.R. Part 90, to conform the Rules to the Arrangements and to permit licensing of radio systems in the Canadian border area.

3. The 821-824/866-869 MHz Public Safety channels are immediately available for licensing in the Canadian border zone upon publication of this Order in the Federal Register. Such licensing shall be pursuant to and in conformance with Regional Public Safety Plans that have been approved by the Commission. The 896-901/935-940 MHz channels are also available in the Canadian border area for licensing in the Business and Industrial/Land Transportation pools immediately upon publication of

this Order in the Federal Register. The processing procedures that will be used for the already filed and rank-ordered applications for SMR licenses in the Seattle, Detroit, Cleveland, Buffalo, and Rochester Designated Filing Areas will be delineated in letters to be sent directly to the selectees in those areas. No additional applications for 900 MHz SMR facilities will be accepted for filing with the Commission for any region within the United States pending adoption of a Public Notice specifically calling for such applications.

4. These rule changes will facilitate the construction of additional Private Land Mobile Radio stations in the Canadian border area. This should result in improved mobile communication service to the public without adversely affecting any party. As this Order does not impose new rules on licensees that would adversely affect their substantive rights, we find that notice and comment procedures are neither necessary nor appropriate.⁵ To initiate a notice and comment procedure to make these additional channels available for licensing in the Canadian border area would significantly delay the use of these channels without any countervailing public interest benefit. Further, because the rule changes relieve⁶ a restriction, we also conclude that these changes should become effective immediately upon publication in the Federal Register.⁶

5. Accordingly, IT IS ORDERED, pursuant to Sections 4(i) and 303(r) of the Communications Act, as amended, 47 U.S.C. §§ 154(i) and 303(r), and Section 0.331(a)(1) of the Commission's Rules, 47 C.F.R. § 0.331(a)(1), that Part 90 of the Commission's Rules is amended as set forth in the attached Appendix.

6. IT IS FURTHER ORDERED that, because these amendments eliminate restrictions on the use of spectrum in the Canadian border area, this Order is effective immediately upon publication in the Federal Register.

FEDERAL COMMUNICATIONS COMMISSION

Beverly G. Baker
Acting Chief, Private Radio Bureau

APPENDIX

47 C.F.R. Part 90 is amended as follows:

1. The authority citation for Part 90 continues to read as follows: Authority: Sections 4, 303, 48 Stat., as amended, 1066, 1082; 47 U.S.C. 154, 303, unless otherwise noted.

2. 47 C.F.R. § 90.619 is amended by revising the introductory text of paragraph (b) and adding paragraphs (c) and (d) to read as follows:

§ 90.619 Frequencies available for use in the U.S./Mexico and U.S./Canada border areas.

* * * * *

(b) U.S./Canada border area. The following criteria shall govern the assignment of frequency pairs (channels) in the 806-821/851-866 and 896-901/935-940 MHz bands for stations located in the U.S./Canada border area. These channels are available for assignment for conventional or

trunked systems in accordance with all applicable sections of this subpart. They are available for intercategory sharing as indicated in § 90.621(g). Specific provisions for use of the 821-824/866-869 MHz bands in the U.S./Canada border area are contained in paragraph (c) of this section, and provisions for use of the 896-901/935-940 MHz bands in the U.S./Canada border are contained in paragraph (d) of this section.

* * * * *

(c) *Use of frequencies in the 821-824/866-869 MHz band (Channels 601-830) in the U.S./Canada border area.* The following criteria shall govern the assignment of frequency pairs (channels) in the 821-824/866-869 MHz band for stations located in the U.S./Canada border area. They are available for assignments for conventional or trunked systems in accordance with applicable sections of this subpart and the Report and Order in Gen. Docket No. 87-112. They are not available for intercategory sharing.

(1) Channels 601-830, as listed in § 90.613 Table of 806-824/851-869 MHz Channel Designations, are available to eligible applicants in the Public Safety Category for use in the U.S./Canada border area as shown in Table 25. Additionally, Channels 601, 639, 677, 715, and 753 are available in all regions only for mutual aid purposes as defined in Gen. Docket No. 87-112.

TABLE 25 - CHANNELS IN THE 821-824/866-869 MHz FREQUENCY BANDS AVAILABLE IN THE U.S./CANADA BORDER AREA

Region	Location (longitude)	Channels
1	66°W - 71°W (0-100 km from border)	715-830
2	71°W - 80°30'W (0-100 km from border)	760-830
3	80°30'W - 85°W (0-100 km from border)	636-830
4	85°W - 121°30'W (0-100 km from border)	715-830
5	121°30'W - 127°W (0-140 km from border)	715-830
6	127°W - 143°W (0-100 km from border)	715-830
7	66°W - 121°30'W (100-140 km from border)	601-830
8	127°W - 143°W (100-140 km from border)	601-830

For assignments in the 821-824/866-869 MHz bands, the cities of Akron, Ohio (41°05' 00"N, 81°30' 40"W) and Youngstown, Ohio (41°05' 57"N, 80°39' 02"W) are considered outside of Region 3, and Syracuse, New York (43°03' 04"N, 76°09' 14"W) is considered outside of Region 2. These cities are defined as an area with the given center coordinates and encompassing a circle of 30 km radius.

(2) All frequency assignments made pursuant to paragraph (c)(1) of this section shall comply with the requirements of § 90.619(b)(2).

(3) In Region 5, Channels 601-714 may be authorized in the United States under the following conditions:

(i) An assignment may be made if the predicted power flux density (PFD) of a proposed station's signal does not exceed -107 dBW/m² at the border. The prediction of the PFD is calculated based upon a modified Longley-Rice point-to-point propagation model with time and location variabilities of 10 percent¹ and 3-second digitized terrain data².

(ii) Authorizations for Channels 601-714 in Region 5 are secondary to Canadian operations and conditioned to require that licensees take immediate action to eliminate any harmful interference resulting from the station's transmitted signal exceeding -107 dBW/m² at or beyond the U.S./Canada border.

(4) Channel assignments for stations to be located in the geographical area in Region 1 enclosed by the United States-Canada border, the meridian 71°W and the line beginning at the intersection of 44°25'N, 71°W, then running by great circle arc to the intersection of 45°N, 70°W, then North along meridian 70°W to the intersection of 45°45'N, then running West along 45°45'N to the intersection of the United States-Canada border, will be only for even numbered channels beginning with Channel 716 and ending with Channel 758.

(5) Channel assignments for stations to be located in the geographical area in Region 3 enclosed by the meridian of 81°W longitude, the arc of a circle of 100 km radius centered at 42°39' 30"N latitude and 81°W longitude at the northern shore of Lake Erie and drawn clockwise from the southerly intersection with 80°30'W longitude to intersect the United States-Canada border West of 81°W, and the United States-Canada border, will be only for even numbered channels beginning with Channel 636 and ending with Channel 758. Coordination with Canada will be required for these channels. U.S. stations must protect Canadian stations operating on channels 636 through 758 within an area of 30 km radius from the center city coordinates of London, Ontario (42° 59' N, 81° 14' W).

(6) *Additional channels available* - The channels listed in Table 26 are available for assignment in Regions 1-6 if the maximum power flux density (PFD) of the station's transmitted signal does not exceed the limits specified in Tables 27 and 28. The spreading loss shall be calculated using the free space formula taking into account any antenna discrimination in the direction of the border.

TABLE 26 - ADDITIONAL CHANNELS AVAILABLE (REGIONS 1-6)

Region	Channel No. 's	Effective Radiated Power
1	601-714	See Table 29
2	601-759	See Table 29
3	601-635	See Table 29
4	601-714	See Table 29
5	601-714	See Table 30
6	601-714	See Table 29

(i) Authorizations for stations using these channels will be secondary to Canadian operations and conditioned to require that licensees take immediate action to eliminate any harmful interference resulting from the station's transmitted signal exceeding the values specified in Tables 29 or 30 at or beyond the U.S./Canada border.

(d) *Use of frequencies in the 896-901/935-940 MHz band (Channels 1-399) in the U.S./Canada border area.* - The following criteria shall govern the assignment of frequency pairs (channels) in the 896-901/935-940 MHz band for stations located in the U.S./Canada border area. They are available for assignments for conventional or trunked systems in accordance with applicable sections of this subpart.

(1) Channels 1-399, as listed in § 90.613 Table of 896-901/935-940 MHz Channel Designations, are available to eligible applicants for use in the U.S./Canada border area as shown in Table 27. Additionally, Channels 71, 75, 79, 151, 155, and 159 are available in all regions only for implementation of an Advanced Train Control System as defined in 3 FCC Rcd 427 (1988) (Advanced Train Control Waiver).

TABLE 27 - CHANNELS IN THE 896-901/935-940 MHZ FREQUENCY BANDS AVAILABLE IN THE U.S./CANADA BORDER AREA

Region	Location (longitude)	Channels
1	66°W - 71°W (0-100 km from border)	1-200, 398, 399
2	71° 80'30"W (0-100 km from border)	1-120
3	80°30'W - 85°W (0-100 km from border)	1-340
4	85°W - 121°30'W (0-100 km from border)	1-200, 398, 399
5	121°30'W - 127°W (0-140 km from border)	1-200, 398, 399
6	127°W - 143°W (0-100 km from border)	1-200, 398, 399
7	66°W - 121°30'W (100-140 km from border)	1-399
8	127°W - 143°W (100-140 km from border)	1-399

For assignments in the 896-901/935-940 MHz bands, the cities of Akron, Ohio (41°05' 00"N, 81-0' 40"W) and Youngstown, Ohio (41°05' 57"N, 80°39' 02"W) are considered outside of Region 3, and Syracuse, New York (43°03' 04"N, 76°09' 14"W) is considered outside of Region 2. These cities are defined as an area with the given center coordinates and encompassing a circle of 30 km radius.

(2) All frequency assignments made pursuant to paragraph (d)(1) of this section shall comply with the requirements of § 90.619(b)(2).

(3) In Region 5, Channels 201-397 may be authorized in the United States under the following conditions:

(i) An assignment may be made if the predicted power flux density (PFD) of a proposed station's signal does not exceed -107 dBW/m² at the border. The prediction of the PFD is calculated based upon a modified Longley-Rice point-to-point propagation model with time and location variabilities of 10 percent¹ and 3-second digitized terrain data².

(ii) Authorizations for Channels 201-397 in Region 5 are secondary to Canadian operations and conditioned to require that licensees take immediate action to eliminate any harmful interference resulting from the station's transmitted signal exceeding -107 dBW/m² at or beyond the U.S./Canada border.

(4) Channel assignments for stations to be located in the geographical area in Region 1 enclosed by the United States-Canada border, the meridian 71°W and the line beginning at the intersection of 44°25'N, 71°W, then running by great circle arc to the intersection of 45°N, 70°W, then North along meridian 70°W to the intersection of 45°45'N, then running West along 45°45'N to the intersection of the United States-Canada border, will be only for channels 121 through 160, inclusive, and will be limited to assignments with 11 kHz or less necessary bandwidth. Coordination with Canada will be required for these channels.

(5) Channel assignments for stations to be located in the geographical area in Region 3 enclosed by the meridian of 81°W longitude, the arc of a circle of 100 km radius centered at 42°39' 30"N latitude and 81°W longitude at the northern shore of Lake Erie and drawn clockwise from the southerly intersection with 80°30'W longitude to intersect the United States-Canada border West of 81°W, and the United States-Canada border, will be only for channels 121 through 230, inclusive, and will be limited to assignments with 11 kHz or less necessary bandwidth. Coordination with Canada will be required for these channels. U.S. stations must protect Canadian stations operating on channels 121 through 230 within an area of 30 km radius from the center city coordinates of London, Ontario (42° 59' N, 81° 14' W).

(6) *Additional channels available* - The channels listed in Table 28 are available for assignment in Regions 1-6 if the maximum power flux density (PFD) of the station's transmitted signal does not exceed the limits specified in Tables 29 and 30. The spreading loss shall be calculated using the free space formula taking into account any antenna discrimination in the direction of the border.

TABLE 28 - ADDITIONAL CHANNELS AVAILABLE (REGIONS 1-6)

Region	Channel No.'s	Effective Radiated Power
1	201-397	See Table 29
2	121-399	See Table 29
3	341-399	See Table 29
4	201-397	See Table 29
5	201-397	See Table 30
6	201-397	See Table 29

(i) Authorizations for stations using these channels will be secondary to Canadian operations and conditioned to require that licensees take immediate action to eliminate any harmful interference resulting from the station's transmitted signal exceeding the values specified in Tables 29 or 30 at or beyond the U.S./Canada border.

**TABLE 29 - MAXIMUM POWER FLUX DENSITY (PFD)
AT THE U.S./CANADA BORDER CORRESPONDING
TO EFFECTIVE ANTENNA HEIGHT
(REGIONS 1,2,3,4, AND 6)**

Effective Antenna Height (EAH)		PFD
Feet	Meters	dBWm ²
0-500	0-152	-84
501-1000	153-305	-90
1001-1500	306-457	-95
1501-2000	458-609	-98
2001-2500	610-762	-101
2500-3000	763-914	-101
3001-3500	915-1066	-103
3501-4000	1067-1219	-104
Above 4000	Above 1219	-104

**TABLE 30 - MAXIMUM POWER FLUX DENSITY (PFD)
AT THE U.S./CANADA BORDER CORRESPONDING TO
ANTENNA HEIGHT ABOVE MEAN SEA LEVEL
(REGION 5)**

Antenna Height Above Mean Sea Level		PFD
Feet	Meters	dBW/m ²
0-1650	0-503	-87
1651-2000	504-609	-88.5
2001-2500	610-762	-91
2501-3000	763-914	-92.5
3001-3500	915-1066	-94
3501-4000	1067-1219	-95
4001-4500	1220-1371	-95.5
4501-5000	1372-1523	-96
Above 5000	Above 1523	-107

FOOTNOTES

¹ Report and Order, Gen. Docket Nos. 84-1231, 84-1233, and 84-1234, 61 RR2d 165 (1986).

² In the Matter of Development and Implementation of a Public Safety National Plan and Amendment of Part 90 to Establish Service Rules and Technical Standards for Use of the 821-824/866-869 MHz Bands by the Public Safety Services, Report and Order, Gen. Docket No. 87-112, 3 FCC Rcd 905 (1988).

³ Public Notice, Private Land Mobile Application Procedures for Spectrum in the 896-901 MHz and 935-940 MHz Bands, 1 FCC Rcd 543 (1986).

⁴ Of the 400 channels included in the allocation to the Private Land Mobile Radio Services, 100 channels were allotted to the Business pool, 99 channels to the Industrial/Land Transportation pool, and 200 channels to the SMR pool.

⁵ See 5 U.S.C. § 553(b)(3)(B).

⁶ See 5 U.S.C. § 553(d)(1).

FOOTNOTES TO APPENDIX

¹ G.A. Hufford, A.G. Longley, and W.A. Kissick. *A guide to the use of the ITS irregular terrain model in the area prediction mode*, NTIA Report 82-100. (Available from U.S. Department of Commerce, National Technical and Information Service (NTIS), Springfield, VA 22161. Accession number PB-217977.)

A.G. Longley and P.L. Rice. *Prediction of tropospheric radio transmission loss over irregular terrain - a computer method 1968*, ESSA Technical Report ERL 79-ITS 67. (Available from NTIS, Accession number AD-676-874.)

P.L. Rice, A.G. Longley, K.A. Norton, and A.P. Barsis. *Transmission loss predictions for tropospheric communication circuits*, National Bureau of Standards Technical Note 101, Volumes I and II. (Available from NTIS, Accession numbers AD-687-820 and AD-687-821.)

² *Level 1 - Digital Terrain Elevation Data*, United States Defense Mapping Agency. (Available from National Cartographic Information Center, U.S. Geological Survey, 507 National Center, Reston, VA 22092 as *Digital Elevation Model Data* in 1°x1° units. Two of these units are required to cover each 1°x2° map (1:250,000-scale quadrangle) from which the data were produced.

FEDERAL COMMUNICATIONS COMMISSION
WASHINGTON, D. C. 20554

October 12, 1990

REFER TO:
7330-06

Mr. John Hollar, Jr.
Pennsylvania State Police
1800 Elmerton Avenue
Harrisburg, PA 17110

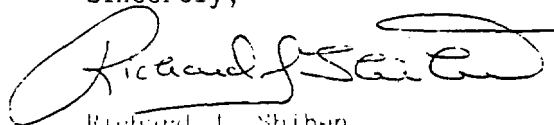
Dear Mr. Hollar:

On December 29, 1988, I sent you a letter stating that bilateral negotiations were in progress concerning use of the 821-824/866-869 MHz bands within 140 kilometers (87 miles) of the U.S./Canadian border.

I am happy to inform you that on September 17, 1990, an Arrangement was signed by the Department of Communications of Canada (DOC) and the Federal Communications Commission of the United States of America concerning use of those bands. On October 5, 1990, my Bureau released an Order implementing the Arrangement. I am enclosing a copy of that Order. As stated in paragraph 3, the 235 channels in the 821-824/866-869 MHz bands will be available for licensing as soon as the Order appears in the Federal Register.

Should you have any questions concerning your regional plan formulation or amendment, please contact Maureen Cesaitis of my staff. Her telephone number is 202-632-6497.

Sincerely,



Richard J. Shiben
Chief, Land Mobile
and Microwave Division

Enclosure

Copy to: Robert E. Tall
Executive Director, APCO
P.O. Box 669
New Smyrna Beach, FL 32070-0669



PENNSYLVANIA STATE POLICE
DEPARTMENT HEADQUARTERS
1800 ELMERTON AVENUE
HARRISBURG, PA. 17110

May 6, 1991

To: Region 36 Committee Members and Eligible Licensees for the
800 Mhz. NPSPAC Frequencies

On April 23, Communications Engineering Technology, Incorporated, forwarded our Region's long awaited "frequency packing run". Extensive data was prepared and forwarded to APCO in early November 1990, shortly after the Federal Communications Commission concluded bilateral negotiations covering the use of the 821-824/866-896 MHz bands within 140 kilometers (87 miles) of the U.S./Canadian border. As a result of the U.S./Canadian settlement, 235 of the 240 channels are now available for assignment. Now that the "packing run" has been completed, our committee is finalizing the Region 36 Plan for submission to the FCC on or about July 1, 1991.

On April 27, 1990 (see FCC Public Notice 2914), Region 36 opened an application window from May 1, 1990 through June 30, 1990. Seven applications for 284 channel assignments were received. Should every applicant construct the facilities requested during this window, Region 36 will have less than 5% of our original frequencies left for assignment. This is an impressive showing and certainly an encouraging development in the use of 800 MHz. in the Commonwealth.

The enclosed printout lists channel assignments, by County, within Region 36. Channels have been coded as to their likelihood of being coordinated for the requesting agency. Should your agency be listed, you are to be commended for your foresight. Should your agency have any frequencies not coded for assignment it is suggested that you consider preparation of your presentation to obtain them as soon as our Regional Plan is approved by the FCC. If you find NO channels available for assignment and you now desire to participate at 800 MHz., it is suggested that you contact Mr. Richard M. Walsh, Special Assistant for Computer Information Systems, Commonwealth of Pennsylvania, Governor's Office, Harrisburg, Pennsylvania 17120. The Commonwealth of Pennsylvania has indicated that their "system, when implemented, would be offered to local municipalities to support their requirements".

Accordingly, except for restrictions due to lack of frequency availabilities in Crawford, Erie, McKean and Warren Counties, all channels requested will more than likely be able to be licensed.

The draft plan for Region 36 closely follows the Region 28 Plan (already approved by the FCC). Should you require a copy of this draft, please call me at (717) 787-0896. Since the 150 page draft is costly to reproduce and mail, I am attempting to keep expenses to a minimum.

Buckle Up Pennsylvania
It's Your Life...
It's Our Law

May 6, 1991

Page 2

On other Region matters, your Chairman was recently appointed Secretary of the Region 28 Plan Update Committee. I have been serving as liaison for the two Regions from inception so hopefully the additional work should be complimentary to our own Region's objectives.

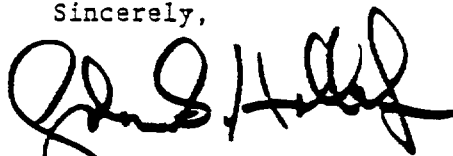
Of particular interest to Region 28 at the moment, is the controversy arising over dismissal of the Commonwealth of Pennsylvania's, window #2 filing. The Commonwealth has challenged the RPUC decision that its application was incomplete before the Federal Communications Commission and has requested reinstatement for its original filing.

The issue arose, according to Region 28, because the Commonwealth failed to provide fiscal data along with some other procedural concerns when it filed its application. The Region 28 Plan provides the format for filing as well as setting the criteria for comparative consideration between competing applicants. It is difficult to speculate what impact the outcome will have. Either way, it will mean more work for the Region 28 Update Committee.

Many of you are interested in how the proposed Commonwealth Law Enforcement Assistance Network 800 MHz Mobile Data System (now termed "CLEAN-M") is progressing. I am pleased to report that both Region 28 and 36 frequency allocations have supported the statewide channels necessary to provide such a service. More on this project will be provided at a forthcoming Region 36 meeting.

In closing, I am including a summary of the new National Emergency Police Frequency Plan recently approved by the FCC. Should you wish to dispatch on this frequency please contact me for additional information.

Sincerely,

A handwritten signature in black ink, appearing to read "John S. Hollar, Jr.", written in a cursive style.

John S. Hollar, Jr.
Chairman
Region 36 Planning Committee

REGION 36 PLAN APPENDIX K
(As defined in)
FCC Gen. Docket No. 87-112

COORDINATION

With

ADJACENT REGIONS

(Note: Concurrence memos will replace requests when received)

Region 36 - Western Pennsylvania

Planning Committee - 1800 Elmerton Avenue - Harrisburg, Pennsylvania - 17110

John. S. Hollar Jr.
Chairman
Pennsylvania State Police
Communications Division

August 12, 1992

Mr. Allen L. Capwell
Wyoming County Sheriff
Chairman Region 55 Planning Committee
145 North Main Street
Warsaw, NY 14569

Dear Sheriff Capwell:

On behalf of the Region 36 Planning Committee I am enclosing a copy of our Western Pennsylvania Regional Plan which we are in the process of filing before the Federal Communications Commission. I would appreciate any comments that you may have.

Also included for your information is a 3 1/2" disk containing our plan information, text and sort packing information.

We would appreciate a letter of concurrence once you have had an opportunity to review the plan. Because time is of the essence, should we not hear from you by October 1st. 1992 we will assume that you have no significant objection which would delay FCC approval of our initial plan.

Thank you for your consideration and my best regards to the membership of your committee.

Sincerely yours,

John S. Hollar Jr.
Chairman

Enclosure

Region 36 - Western Pennsylvania

Planning Committee - 1800 Elmerton Avenue - Harrisburg, Pennsylvania - 17110

John. S. Hollar Jr.
Chairman
Pennsylvania State Police
Communications Division

August 12, 1992

Mr. Donald G. Flahan
Chairman, Region 33
Planning Committee
Ohio Turnpike Commission
682 Prospect St.
Beras, Ohio 44017

Dear Mr. Flahan:

On behalf of the Region 36 Planning Committee I am enclosing a copy of our Western Pennsylvania Regional Plan which we are in the process of filing before the Federal Communications Commission. I would appreciate any comments that you may have.

Also included for your information is a 3 1/2" disk containing our plan information, text and sort packing information.

We would appreciate a letter of concurrence once you have had an opportunity to review the plan. Because time is of the essence, should we not hear from you by October 1st. 1992 we will assume that you have no significant objection which would delay FCC approval of our initial plan.

Thank you for your consideration and my best regards to the membership of your committee.

Sincerely yours,

John S. Hollar Jr.
Chairman

Enclosure

Region 36 - Western Pennsylvania

Planning Committee - 1800 Elmerton Avenue - Harrisburg, Pennsylvania - 17110

John. S. Hollar Jr.
Chairman
Pennsylvania State Police
Communications Division

August 12, 1992

Mr. Jack Pase
Chairman, Region 44
Planning Committee
S.O. Emergency Medical Services
P.O. Box 901
Big Chimney, WV 25302

Dear Mr. Pase:

On behalf of the Region 36 Planning Committee I am enclosing a copy of our Western Pennsylvania Regional Plan which we are in the process of filing before the Federal Communications Commission. I would appreciate any comments that you may have.

Also included for your information is a 3 1/2" disk containing our plan information, text and sort packing information.

We would appreciate a letter of concurrence once you have had an opportunity to review the plan. Because time is of the essence, should we not hear from you by October 1st. 1992 we will assume that you have no significant objection which would delay FCC approval of our initial plan.

Thank you for your consideration and my best regards to the membership of your committee.

Sincerely yours,

John S. Hollar Jr.
Chairman

Enclosure